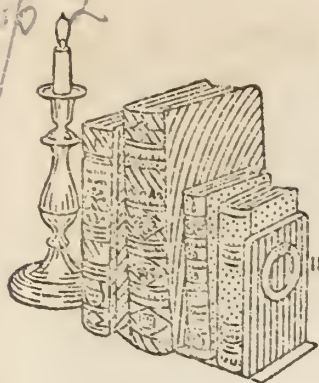


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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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Vol. 7, no. 8.

February 1949.

Philip B. McDonald, in Personality and English in Technical Personnel, referred to a library as "a rich mine awaiting a skillful prospector." The USDA Library is certainly a rich mine. Are you a skillful prospector? Could we help you do some prospecting?

FLOODS, THEIR HYDROLOGY AND CONTROL*

By H. K. Barrows

Comment by H. G. Wilm, Conservationist
Southern Forest Experiment Station

If a handbook were to be drawn up particularly for use by workers in downstream flood control, it would probably follow a pattern very much like that of this book. More than just a textbook, this is a fairly detailed compilation of a variety of data associated with flood control: precipitation, with many figures on maximum storm quantities and rates; recorded peak discharges of rivers; analyses of several methods for estimating flood discharges; descriptions of methods for studying floods and their damages; and detailed information on the types, uses, and costs of reservoirs for flood control and other purposes. Because it is an engineering publication, consideration is not given to the influences of watershed conditions on floods and erosion, except for a brief discussion of the Department of Agriculture's watershed projects. The Little Tallahatchie River watershed survey is used as an example.

* Barrows, Harold K. Floods, their hydrology and control. McGraw-Hill, 1948. 432p. 290 B273F

NEW BOOKS IN THE LIBRARY

CROP MANAGEMENT AND SOIL CONSERVATION, by J. F. Cox and L. E. Jackson. Wiley, 1948. 2d ed. 572p. 64 C83C Ed. 2

The editors and authors hope "that this book will aid individual growers in improving their crop rotations and increasing their profits through efficient production methods. It is also the desire of the authors and editors that the importance of balancing production in accordance with market demands, protecting soils from erosion losses and depletion by exhaustive farming, and the need of returning fertility to offset drafts of war and post-war production will be thoroughly understood by all who read this book."

HORMONES AND HORTICULTURE: THE USE OF SPECIAL CHEMICALS IN THE CONTROL OF PLANT GROWTH, by G. S. Avery, Jr. and E. B. Johnson. McGraw-Hill, 1947. 326p. 90.11 Av3

The authors say their "purpose has been to gather together the widely scattered and often theoretical information on the use of special chemicals in the regulation of plant growth; to present specific directions for applying such chemicals; to evaluate their usefulness in horticultural practice; and to point out trends in the field. The various chapters of the book have had the criticism of horticulturists who are specialists on the subjects concerned.

Some of the chapter headings are: Hormones and the rooting of cuttings, Blossom-thinning sprays in the control of fruit production, hormone control of the preharvest drop of fruits, Hormones as aids to fruit set and to seedless fruit production, Hormone treatment of seeds, Hormones and vitamins in relation to miscellaneous growth phenomena, Hormones and weed control, Breaking dormancy with chemicals, Hormones in prolonging or inducing dormancy.

PLANTS AND ENVIRONMENT: A TEXTBOOK OF PLANT AUTOECOLOGY, by R. F. Daubenmire. Wiley, 1947. 424p. 463.8 D26

The popular book Road to Survival has no doubt made all who have read it more than ever aware of the importance of ecology. Mr. Daubenmire feels that the material included in this book is indispensable as a background for anyone who would undertake to grasp the complexities involved in the ecology of plant communities. He tells us that autecology is essentially a consideration of those phases of geology, soils, climatology, zoology, chemistry, and physics which are more or less directly connected with the welfare of living organisms, and a relating of them to the structure, function, and evolution of species. Such an organization of information which cuts across so many discrete fields of science appears to him to have real value.

First of all, an excursion into the field of autecology of plants may be looked upon as an end in itself, if only for the fact that, like physiography and biogeography, it contributes much to man's interest in his surroundings....The ecologic approach becomes indispensable wherever plant behavior is studied in relation to the production of cultivated crops or the management of indigenous vegetation, for, unless responses are studied in relation to the natural or cultural environment of the plant, they may be so abnormal as to be of practically no economic value.

NEW PERIODICALS

Farm Policy Forum.

Quarterly digest published by Iowa State College Press. Its scope is nationwide, even worldwide. It makes available, in condensed, readable form, the top articles discussing, evaluating, criticizing, and explaining today's policies in food and agriculture.

Texas Weekly Crop and Weather Bulletin.

Issued by Bureau of Agricultural Economics and Weather Bureau cooperating with Texas Agricultural Extension Service.

Let us know if you wish to receive either of these publications regularly.

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NOTE TO OUR PATRONS

You keep requesting the new books you hear about. We are glad you know about them---and ask us for them. We know about them, too! Also, we know that any librarian 'worth her salt' would have the new books before her patrons ask for them. Consequently, we are much chagrined when we do not have them.

Our funds are exhausted, and how can any librarian buy books without money?

We shall not blame you for complaining because we do not have the new books, or because we canceled our subscription to your favorite periodical, or because we cut the number of copies of some periodicals, thereby making them even older than usual before they reach you.

-But we do ask your patience---and your hopes added to ours that next year the library will be in better shape financially!

Keep on asking for the new books. We shall try to borrow them from the Main Library in Washington for you. Of course they will have waiting lists for the books and it will take time for them to reach you.

SELECTED BULLETINS

Fertilizers

"Effect of Ammonium Nitrate on Corn Production in Oklahoma, 1948," by H. J. Harper and O. H. Brensing. Okla. agr. expt. sta. Mimeo. Cir. M-178. Jan. 1949. 100 Ok4M 178

"Fertilizer Recommendations for Oklahoma Crops," by H. J. Harper and others. Okla. agr. expt. sta. Bul. B-326. Jan. 1949. 15p. 100 Ok4B 326

"Quick Return Method of Compost-Making," by Maye E. Bruce. Organic Gardening, 1945. 92p. 56.9 Or3

Food

"Freedom from Want: A Survey of the Possibilities of Meeting the World's Food Needs," a symposium edited by E. E. DeTurk. Chronica Botanica, Summer 1948.

"Helping Families Plan Food Budgets." USDA Misc. Pub. 662. Dec. 1948. 16p. 1 Ag84M 662

Forestry

"Effect of Timber Cutting on Water Available for Stream Flow from a Lodgepole Pine Forest," by H. G. Wilm and E. G. Dunford. USDA Tech. Bul. 968. Nov. 1948. 43p. 1 Ag84Te

"Extent, Character, and Forestation Possibilities of Land Stripped for Coal in the Central States," by G. A. Limstrom. Central States Forest Expt. Sta. Tech. Paper No. 109. December 1948. 78p. 1.9622 C3T222 109

"Selling Black Walnut Timber," by W. D. Brush. USDA Farmers' Bul. 1459. Rev. 1948. 19p. 1 Ag84F 1459

Reports

- "Report of the Administrator of the Farmers Home Administration, 1948." 1 Ag84
"Report of the Administrator of the Research and Marketing Act, 1948." "
"Report of the Administrator of the Rural Electrification Administration, 1948."
"Report of the Chief of the Soil Conservation Service, 1948." 1 Ag84
"Report of the Manager of the Federal Crop Insurance Corporation, 1948." 1 Ag84

Soils and Soil Conservation

- "Cropping Systems for Soil Conservation," by D. D. Smith and others. Mo. Agr. expt. sta. Bul. 513. Sept. 1948. 26p. 100 M693
"Laying Off Rows by the String Method," by J. F. Doggett and T. L. Copley. N. C. agr. col. Ext. Cir. 329. Oct. 1948. 11p. 275.29 N811C
"Let's Look at the Soil," by M. F. Miller. Mo. Agr. expt. sta. Cir. 330. July 1948. 45p. 100 M693C 330
"The Multiflora Rose As A Living Hedge Fence," by T. J. Talbert and J. E. Smith. Mo. agr. expt. sta. Bul. 517. Sept. 1948. 11p. 100 M693

Miscellaneous

- "The Balance Sheet of Agriculture, 1948." USDA Misc. Pub. 672. 38p. 1 Ag84M 672
"A Concentrate Sprayer for Experimental Use," by G. V. Johnson. BEPQ. Aug. 1948. 2p. 1.9 En83Et 260
"Diseases of Cabbage and Related Plants," by J. C. Walker. USDA Farmers' Bul. 1439. Revised Nov. 1948. 38p. 1 Ag84F 1439
"Farmhouse Plans for Northeastern States." USDA Misc. Pub. 658. 19p. 1 Ag84
"Hamster Raising," by O. N. Eaton. USDA Leaflet 250. Oct. 1948. 6p. 1 Ag84L
"Land Tenure in the Southwestern States; A Summary of Significant Findings of the Regional Land Tenure Research Project," Ark. agr. expt. sta. Bul. 482. Oct. 1948. 31p. 100 Ar42 482
"Legume Inoculation: What It Is-What It Does," by L. W. Erdman. USDA Farmers' Bul. 2003. Dec. 1948. 20p. 1 Ag84F
"The Role of Uprooted People in European Recovery," by J. P. C. Carey. National Planning Association Planning Pamphlet No. 64. Oct. 1948. 85p. 280.9 N2153N 64
"A Small Field Duster," by G. V. Johnson. BEPQ. July 1948. 2p. 1.9 En83Et 259
"Tests With Mist Blowers To Control Various Insects," by F. W. Poos and others, BEPQ. July 1948. 8p. 1.9 En83 751

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PLEASE NOTE THIS. Many offices have participated in these projects more than once and have had all the books we now have available for such purpose. Of course new people in an old location might wish to go on with the plan. Tell us if that is the case, as we keep a record of what books have been sent to each location and try not to duplicate.

Many offices have never had a Book-of-the-Month book or a Traveler. Don't you want to try it this year?

HOW DOES YOUR GARDEN GROW?

THE COMPLETE GUIDE TO SOILLESS GARDENING, by W. F. Gericke. Prentice-Hall, 1945. 235p. 90.15 G31

500 COMMON GARDEN MISTAKES CORRECTED. American Garden Guild, 1945. 96p. 90.1 Am3

THE FOOD GARDEN, by Edna Blair. Macmillan, 1942. 148p. 91.15 B572

GREENHOUSES: THEIR CONSTRUCTION AND EQUIPMENT, by W. J. Wright. Orange Judd, 1946. 269p. 90.15 W93 Ed.3

GROW YOUR OWN VEGETABLES, by P. W. Dempsey. Houghton Mifflin, 1944. 220p. 91.15 D39 1944

HOME VEGETABLE GARDENING, by C. H. Nissley. Rutgers University Press, 1942. 246p. 91.15 N63

INSECT PESTS OF FARM, GARDEN, AND ORCHARD, by L. M. Peairs. Wiley, 1941. 549p. 423 Sa51

THE NIVEN GARDEN BOOK: A MONTHLY GUIDE TO HOME GARDENING IN THE SOUTHERN STATES, by L. A. Niven. Progressive Farmer-Ruralist Company, 1943. 114p. 91.15 N 64

PEST CONTROL IN THE HOME GARDEN, by Louis Pyenson. Macmillan, 1944. 190p. 423 P99

THE PRINCIPLES OF VEGETABLE-GARDENING, by L. H. Bailey. Macmillan, 1941. 490p. 91 B15P

HAVE YOU READ THESE BOOKS?

THE AMERICAN FARMER: HIS PROBLEMS AND HIS PROSPECTS, by Lee Fryer. Harper, 1947.

AMERICAN HONEY PLANTS TOGETHER WITH THOSE WHICH ARE OF SPECIAL VALUE TO THE BEEKEEPER AS SOURCES OF POLLEN, by F. C. Pellett. Orange Judd, 1947. 467p. 424 P36A Ed.4

LAND ECONOMICS: PRINCIPLES, PROBLEMS, AND POLICIES IN UTILIZING LAND RESOURCES, by Roland R. Renne. Harper, 1947. 736p. 282 R29

NEW STRENGTH FOR NEW LEADERSHIP, by E. H. Schell. Harper, 1942. 137p. 140 Sch2 Ed.3

PERSONALITY AND ENGLISH IN TECHNICAL PERSONNEL, by P. B. McDonald. Van Nostrand, 1946. 424p. 249.3 M14

THE RESPONSE OF CROPS AND SOILS TO FERTILIZERS AND MANURES, by W. B. Andrews. Published by the author, State College, Mississippi, 1947. 450p. 57.07 An2

THE SHORE DIMLY SEEN, by E. G. Arnall. Lippincott, 1946. 312p. 280.12 Ar62

SUCCESSFUL PART-TIME FARMING, by H.S. Pearson. McGraw-Hill, 1947. 322p. 31.3 P312S

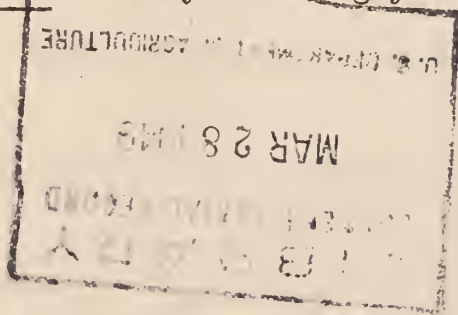
A NOTE TO YOU

Did you know that we have foreign language dictionaries in the library? Perhaps you need to borrow one sometimes to aid in translating some article. We have dictionaries in the following languages: Czechoslovakian, Danish, Dutch, Finnish, French, German, Hungarian, Italian, Polish, Russian, and Spanish.

We also have a number of special dictionaries such as medical, chemical-technical, scientific terms, botanical terms, forestry terminology, familiar quotations, synonyms and antonyms.

Some people apologize when they ask us for help. We do not want you to feel apologetic or hesitant about asking for help. We are really happy to help find the answers to problems that arise in your work, to send you publications on some special subject, to prepare a reading list for you.

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Helen Boyd, Librarian
Vera Lind, Assistant

